Refine Search

Search Results -

Terms	Documents
L10 AND (UNSATURAT\$5 ALDEHYDE OR UNSATURAT\$5 CARBOXYLIC ACID).TI.	11

US Pre-Grant Publication Full-Text Database US Patents Full-Text Database

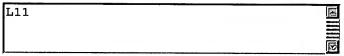
US OCR Full-Text Database

Database: EPO Abstracts Database

JPO Abstracts Database Derwent World Patents Index

IBM Technical Disclosure Bulletins

Search:











Search History

DATE: Monday, January 31, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB =	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES; OP=ADJ		
<u>L11</u>	L10 AND (UNSATURAT\$5 ALDEHYDE OR UNSATURAT\$5 CARBOXYLIC ACID).TI.	11	<u>L11</u>
<u>L10</u>	L9 AND PRECURSOR	124	<u>L10</u>
<u>L9</u>	L8 AND OXYGEN	171	<u>L9</u>
<u>L8</u>	L7 AND OXIDAT\$5	175	<u>L8</u>
<u>L7</u>	L6 AND (562/\$ OR 502/\$ OR 568/\$)	183	<u>L7</u>
<u>L6</u>	L5 AND CATALYST	352	<u>L6</u>
<u>L5</u>	L4 AND ALKANE	402	<u>L5</u>
<u>L4</u>	L3 AND (UNSATURAT\$5 ALDEHYDE OR UNSATURAT\$5 CARBOXYLIC ACID)	1656	<u>L4</u>
<u>L3</u>	L2 OR L1	285335	<u>L3</u>

 MO AND V AND (TE OR BI OR SB OR SE) AND (NB OR TA OR TI OR

<u>L2</u>	AL OR ZR OR CR OR MN OR FE OR RU OR CO OR RH OR NI OR PD OR PT OR B OR IN OR CE)	284683	<u>L2</u>
<u>L1</u>	W AND V AND (TE OR BI OR SB OR SE) AND MO	240426	<u>L1</u>

END OF SEARCH HISTORY

Hit List



Search Results - Record(s) 1 through 10 of 11 returned.

☐ 1. Document ID: US 20040210086 A1

Using default format because multiple data bases are involved.

L11: Entry 1 of 11

File: PGPB

Oct 21, 2004

PGPUB-DOCUMENT-NUMBER: 20040210086

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040210086 A1

TITLE: Methods for producing unsaturated carboxylic acids and unsaturated nitriles

PUBLICATION-DATE: October 21, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bogan, Leonard Edward JR.	Hatfield	PA	US	
Han; Scott	Lawrenceville	NJ	US	
Jacobs, Bradley Anson	Chalfont	PA	US	
Kaiser, Frederick William	Fort Washington	PA	US	
Klugherz, Peter David	Huntingdon Valley	PA	US	
Lin, Manhua	Levittown	PA	US	
Link, Richard David III	Levittown	PA	US	
Linsen, Michael William	North Wales	PA	US	

US-CL-CURRENT: <u>562/546</u>; <u>562/547</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw, De
	2 1	Docume	nt ID:	118 20	040192966	Λ 1						
		y 2 of		03 20	040192900		File: P	GPB		Sep	30,	2004

PGPUB-DOCUMENT-NUMBER: 20040192966

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040192966 A1

TITLE: Catalyst composition for the selective conversion of alkanes to unsaturated carboxylic acids, method of making and method of using thereof

PUBLICATION-DATE: September 30, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Hazin, Paulette N. Houston TX US Ellis, Paul E. JR. Sugar Land TX US

US-CL-CURRENT: <u>562/547</u>; <u>502/312</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 3. Document ID: US 20040097754 A1

Ll1: Entry 3 of 11 File: PGPB May 20, 2004

PGPUB-DOCUMENT-NUMBER: 20040097754

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040097754 A1

TITLE: Processes for the preparation of olefins, unsaturated carboxylic acids and

unsaturated nitriles from <u>alkanes</u>

PUBLICATION-DATE: May 20, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Bogan, Leonard Edward JR. Hatfield PA US Gaffney, Anne Mae West Chester PA US Han, Scott Lawrenceville NJ US Heffner, Michele Doreen Chalfont US PA Song, Ruozhi Wilmington DE US Zolotorofe, Donald Lee **Ivyland** PA US

US-CL-CURRENT: <u>562/546</u>; <u>562/547</u>, <u>585/658</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. Do

☐ 4. Document ID: US 20030187297 A1

L11: Entry 4 of 11 File: PGPB Oct 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030187297

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030187297 A1

TITLE: Methods for producing unsaturated carboxylic acids and unsaturated nitriles

PUBLICATION-DATE: October 2, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Bogan, Leonard Edward JR. Hatfield PA US Han, Scott Lawrenceville NJ US

http://westbrs:9000/bin/gate.exe?f=TOC&state=p1ov96.13&ref=11&dbname=PGPB,USPT,... 1/31/05

Jacobs, Bradley Anson	Chalfont	PA	US
Kaiser, Frederick William	Fort Washington	PA	US
Klugherz, Peter David	Huntingdon Valley	PA	US
Lin, Manhua	Levittown	PA	US
Link, Richard David III	Levittown	PA	US
Linsen, Michael William	North Wales	PA	US

US-CL-CURRENT: <u>562/546</u>; <u>562/547</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw, De
												
	5. I	Docume	nt ID:	US 20	030109749	A 1						
L11:	Entry	y 5 of	11				File: P	GPB		Jun	12.	2003

PGPUB-DOCUMENT-NUMBER: 20030109749

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030109749 A1

TITLE: Processes for the preparation of olefins, unsaturated carboxylic acids and unsaturated nitriles from alkanes

PUBLICATION-DATE: June 12, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bogan, Leonard Edward JR.	Hatfield	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Han, Scott	Lawrenceville	NJ	US	
Heffner, Michele Doreen	Chalfont	PA	US	
Song, Ruozhi	Wilmington	DE	US	
Zolotorofe, Donald Lee	Ivyland	PA	US	

US-CL-CURRENT: <u>562/546</u>; <u>562/547</u>, <u>585/654</u>, <u>585/660</u>

Full	Title C	itation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawii De
	6. Do	cume	nt ID:	US 20	020115887	A1						
L11:	Entry	6 of	11				File: I	PGPB		Aug	22,	2002

PGPUB-DOCUMENT-NUMBER: 20020115887

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020115887 A1

TITLE: Catalysts for the oxidation of unsaturated aldehydes to produce carboxylic acids and methods of making the same

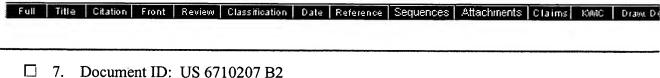
PUBLICATION-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Karim, Khalid Manchester Bhat, Yajnavalkya Subrai Riyadh SA Zaheer, Syed Irshad Riyadh SA Khan, Asad Ahmad Riyadh SA

US-CL-CURRENT: <u>562/532</u>; <u>502/248</u>



L11: Entry 7 of 11

File: USPT

Mar 23, 2004

US-PAT-NO: 6710207

DOCUMENT-IDENTIFIER: US 6710207 B2

TITLE: Methods for producing unsaturated carboxylic acids and unsaturated nitriles

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw. De

□ 8. Document ID: US 6444845 B1

L11: Entry 8 of 11

File: USPT

Sep 3, 2002

US-PAT-NO: 6444845

DOCUMENT-IDENTIFIER: US 6444845 B1

** See image for Certificate of Correction **

TITLE: Process for the oxidation of unsaturated aldehydes to produce carboxylic acids using Mo-V based catalysts

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 9. Document ID: US 6180825 B1

L11: Entry 9 of 11

File: USPT

Jan 30, 2001

US-PAT-NO: 6180825

DOCUMENT-IDENTIFIER: US 6180825 B1

TITLE: Oxidation of alkanes to unsaturated aldehydes and carboxylic acids using a catalyst containing Mo, V, Te and Nb



☐ 10. Document ID: US 5990348 A

L11: Entry 10 of 11

File: USPT

Nov 23, 1999

US-PAT-NO: 5990348

DOCUMENT-IDENTIFIER: US 5990348 A

** See image for Certificate of Correction **

TITLE: Conversion of alkanes to unsaturated carboxylic acids over heteroploy acids supported on polyoxometallate salts

Full	Title Citation Front Review Classification Date Reference Sequences Attack	hments Claims KWIC Draw
Clear	Generate Collection Print Fwd Refs Blawd Refs	Generate OAGS
	Terms	Documents
	L10 AND (UNSATURAT\$5 ALDEHYDE OR UNSATURAT\$5 CARBOXYLIC ACID).TI.	11

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Search Results - Record(s) 11 through 11 of 11 returned.

☐ 11. Document ID: US 5380933 A

Using default format because multiple data bases are involved.

L11: Entry 11 of 11

File: USPT

Jan 10, 1995

US-PAT-NO: 5380933

DOCUMENT-IDENTIFIER: US 5380933 A

TITLE: Method for producing an unsaturated carboxylic acid

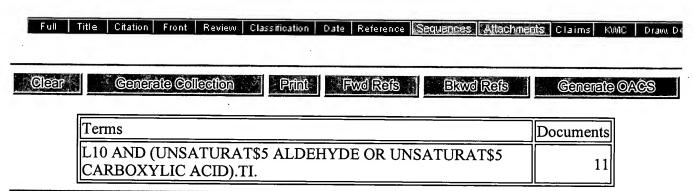
DATE-ISSUED: January 10, 1995

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Ushikubo; Takashi Yokohama Jp
Nakamura; Hiroya Yokohama Jp
Koyasu; Yukio Tokyo Jp
Wajiki; Shin Tokyo Jp

US-CL-CURRENT: <u>562/549</u>; <u>562/547</u>



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